

Publications 2006-2010

The following publications were realized through the use of NBB tissue

- Abildayeva, K. et al. Human apolipoprotein C-I expression in mice impairs learning and memory functions. *J.Lipid Res.* 49.4 (2008): 856-69.
- Alkemade, A. et al. Novel neuroanatomical pathways for thyroid hormone action in the human anterior pituitary. *Eur.J.Endocrinol.* 154.3 (2006): 491-500.
- Alt, S.R. et al. Differential expression of glucocorticoid receptor transcripts in major depressive disorder is not epigenetically programmed. *Psychoneuroendocrinology* 35.4 (2010): 544-56.
- Amor, S. et al. Inflammation in neurodegenerative diseases. *Immunology* 129.2 (2010): 154-69.
- Anand, U. et al. Cannabinoid receptor CB₂ localisation and agonist-mediated inhibition of capsaicin responses in human sensory neurons. *Pain* 138.3 (2008): 667-80.
- Anand, U. et al. The effect of neurotrophic factors on morphology, TRPV₁ expression and capsaicin responses of cultured human DRG sensory neurons. *Neurosci.Lett.* 399.1-2 (2006): 51-56.
- Anand, U. et al. TRPA₁ receptor localisation in the human peripheral nervous system and functional studies in cultured human and rat sensory neurons. *Neurosci.Lett.* 438.2 (2008): 221-27.
- Aziz, A. et al. Hypocretin and melanin-concentrating hormone in patients with Huntington disease. *Brain Pathol.* 18.4 (2008): 474-83.
- Bao, A.M. and Swaab, D.F.. Gender difference in age-related number of corticotropin-releasing hormone-expressing neurons in the human hypothalamic paraventricular nucleus and the role of sex hormones. *Neuroendocrinology* 85.1 (2007): 27-36.
- Bao, A.M. et al. A direct androgenic involvement in the expression of human corticotropin-releasing hormone. *Mol Psychiatry* 2006; 11: 567-76.
- Basso, M. et al. Characterization of detergent-insoluble proteins in ALS indicates a causal link between oxidative stress and aggregation in pathogenesis. *PLoS.One.* 4.12 (2009): e8130.
- Berrocal, M. et al. Altered Ca²⁺ dependence of synaptosomal plasma membrane Ca²⁺-ATPase in human brain affected by Alzheimer's disease. *FASEB J.* 23.6 (2009): 1826-34.
- Berson, A. et al. Changes in readthrough acetylcholinesterase expression modulate amyloid-beta pathology. *Brain* 131 (2008), 109-119.
- Beyer, N. et al. ZnT₃ mRNA levels are reduced in Alzheimer's disease post-mortem brain. *Mol. Neurodegener.* 4 (2009): 53.
- Bharathi and Rao, K.S. Molecular understanding of copper and iron interaction with alpha-synuclein by fluorescence analysis. *J.Mol.Neurosci.* 35.3 (2008): 273-81.
- Bharathi et al. A new insight on Al-maltolate-treated aged rabbit as Alzheimer's animal model. *Brain Res.Rev.* 52.2 (2006): 275-92.

- Bharathi, Ravid, R. and Rao, J.K.S. Role of metal in neuronal apoptosis: Challenges associated with neurodegeneration. *Journal of Current Alzheimer Research* 2006; 3.
- Bhardwaj, R.D. et al. Neocortical neurogenesis in humans is restricted to development. *Proc Natl Acad Sci USA* 2006; 103: 12564-8.
- Bo, L. et al. Grey matter pathology in multiple sclerosis. *Acta Neurol Scand Suppl* 2006; 183: 48-50.
- Bo, L. et al. Lack of correlation between cortical demyelination and white matter pathologic changes in multiple sclerosis. *Arch. Neurol.* 64 (2007), 76-80.
- Boekhoorn, K., Joels, M., and Lucassen, P.J. Increased proliferation reflects glial and vascular-associated changes, but not neurogenesis in the presenile Alzheimer hippocampus. *Neurobiol Dis* 2006; 24: 1-14.
- Booij, J.C. et al. The dynamic nature of Bruch's membrane. *Prog. Retin. Eye Res.* 29.1 (2010): 1-18.
- Boor, I. et al. MLC1 is associated with the dystrophin-glycoprotein complex at astrocytic endfeet. *Acta Neuropathol.* 114.4 (2007): 403-10.
- Bossers, K. et al. Analysis of gene expression in Parkinson's disease: possible involvement of neurotrophic support and axon guidance in dopaminergic cell death. *Brain Pathol.* 19.1 (2009): 91-107.
- Bossers, K. et al. Concerted changes in transcripts in the prefrontal cortex precede neuropathology in Alzheimer's disease. *Brain* 133.Pt 12 (2010): 3699-723.
- Bossers, K. et al. Intensity-based analysis of dual-color gene expression data as an alternative to ratio-based analysis to enhance reproducibility. *BMC Genomics* 11 (2010): 112.
- Boven, L.A. et al. Myelin-laden macrophages are anti-inflammatory, consistent with foam cells in multiple sclerosis. *Brain* 2006; 129: 517-26.
- Breij, E.C. et al. Homogeneity of active demyelinating lesions in established multiple sclerosis. *Ann. Neurol.* 63 (2008), 16-25.
- Bronner, I.F. et al. Comprehensive mRNA expression profiling distinguishes tauopathies and identifies shared molecular pathways. *PLoS. One.* 4.8 (2009): e6826.
- Brunner, P. et al. Pineal and cortical melatonin receptors MT1 and MT2 are decreased in Alzheimer's disease. *Eur J Histochem* 2006; 50: 311-6.
- Bruno, M.A. and Cuello, A.C. Activity-dependent release of precursor nerve growth factor, conversion to mature nerve growth factor, and its degradation by a protease cascade. *Proc Natl Acad Sci USA* 2006; 103: 6735-40.
- Bsibsi, M. et al. Identification of soluble CD14 as an endogenous agonist for Toll-like receptor 2 on human astrocytes by genome-scale functional screening of glial cell derived proteins. *Glia* 55 (2007), 473-482.
- Bsibsi, M. et al. The microtubule regulator stathmin is an endogenous protein agonist for TLR3. *J. Immunol.* 184.12 (2010): 6929-37.
- Bsibsi, M. et al. Toll-like receptor 3 on adult human astrocytes triggers production of neuroprotective mediators. *Glia* 2006; 53: 688-95.
- Cao, Y. et al. Changed clathrin regulatory proteins in the brains of Alzheimer's disease patients and animal models. *J. Alzheimers. Dis.* 22.1 (2010): 329-42.

- Chen, X.N. et al. The involvement of retinoic acid receptor-alpha in corticotropin-releasing hormone gene expression and affective disorders. *Biol. Psychiatry* 66.9 (2009): 832-39.
- Chesik, D. et al. Insulin-like growth factor binding proteins: regulation in chronic active plaques in multiple sclerosis and functional analysis of glial cells. *Eur.J.Neurosci.* 24.6 (2006): 1645-52.
- Choi, Y. et al. Minocycline attenuates neuronal cell death and improves cognitive impairment in Alzheimer's disease models. *Neuropsychopharmacology* 32 (2007), 2393-2404.
- Christensen, D.Z. et al. Accumulation of intraneuronal Aβ correlates with ApoE4 genotype. *Acta Neuropathol.* 119.5 (2010): 555-66.
- Cogswell, J.P. et al. Identification of miRNA changes in Alzheimer's disease brain and CSF yields putative biomarkers and insights into disease pathways. *J.Alzheimers.Dis.* 14.1 (2008): 27-41.
- Colsch, B. et al. Sulfogalactosylceramides in motor and psycho-cognitive adult metachromatic leukodystrophy: relations between clinical, biochemical analysis and molecular aspects. *Biochim. Biophys. Acta* 1780 (2008), 434-440.
- Coon, K.D. et al. A high-density whole-genome association study reveals that APOE is the major susceptibility gene for sporadic late-onset Alzheimer's disease. *J.Clin.Psychiatry* 68.4 (2007): 613-18.
- Copani, A. et al. DNA polymerase-beta is expressed early in neurons of Alzheimer's disease brain and is loaded into DNA replication forks in neurons challenged with beta-amyloid. *J.Neurosci.* 26.43 (2006): 10949-57.
- Corneveaux, J.J. et al. Association of CR1, CLU and PICALM with Alzheimer's disease in a cohort of clinically characterized and neuropathologically verified individuals. *Hum. Mol. Genet.* 19.16 (2010): 3295-301.
- Coulson, D.T. et al. BACE1 mRNA expression in Alzheimer's disease post-mortem brain tissue. *J. Alzheimers. Dis.* 22.4 (2010): 1111-22.
- Coulson, D.T. et al. Identification of valid reference genes for the normalization of RT qPCR gene expression data in human brain tissue. *BMC. Mol. Biol.* 9 (2008), 46.
- Couturier, N. et al. Mast cell transcripts are increased within and outside multiple sclerosis lesions. *J. Neuroimmunol.* 195 (2008), 176-185.
- Cuello, A.C. and Bruno, M.A. The Failure in NGF Maturation and its Increased Degradation as the Probable Cause for the Vulnerability of Cholinergic Neurons in Alzheimer's Disease. *Neurochem. Res.* (2007).
- Davidson, Y. et al. Ubiquitinated pathological lesions in frontotemporal lobar degeneration contain the TAR DNA-binding protein, TDP-43. *Acta Neuropathol.* 113.5 (2007): 521-33.
- De Pril, R., Fischer, D.F. and Van Leeuwen, F.W. Conformational diseases: an umbrella for various neurological disorders with an impaired ubiquitin-proteasome system. *Neurobiol.Aging* 27.4 (2006): 515-23.
- De Silva, R. et al. An immunohistochemical study of cases of sporadic and inherited frontotemporal lobar degeneration using 3R- and 4R-specific tau monoclonal antibodies. *Acta Neuropathol (Berl)* 2006; 111: 329-40.

- Diaz-Hernandez, M. et al. Tissue-nonspecific alkaline phosphatase promotes the neurotoxicity effect of extracellular tau. *J. Biol. Chem.* 285.42 (2010): 32539-48.
- Duan, X.H. et al. Novel anilinophthalimide derivatives as potential probes for beta-amyloid plaque in the brain. *Bioorg. Med. Chem.* 18.3 (2010): 1337-43.
- Durrenberger, P.F. et al. Prostanoid receptor EP1 and Cox-2 in injured human nerves and a rat model of nerve injury: a time-course study. *BMC.Neurol.* 6 (2006): 1.
- Eikelenboom, P. et al. Neuroinflammation in plaque and vascular beta-amyloid disorders: clinical and therapeutic implications. *Neurodegener. Dis.* 5 (2008), 190-193.
- Elliott, E., Tsvetkov, P. and Ginzburg, I. BAG-1 associates with Hsc70.Tau complex and regulates the proteasomal degradation of Tau protein. *J.Biol.Chem.* 282.51 (2007): 37276-84.
- Eriksson, M. et al. The NMDAR subunit NR3A interacts with microtubule-associated protein 1S in the brain. *Biochem.Biophys.Res.Comm.* 361.1 (2007): 127-32.
- Facer, P. et al. Differential expression of the capsaicin receptor TRPV1 and related novel receptors TRPV3, TRPV4 and TRPM8 in normal human tissues and changes in traumatic and diabetic neuropathy. *BMC.Neurol.* 7 (2007): 11.
- Familian, A. et al. Inhibitory effect of minocycline on amyloid beta fibril formation and human microglial activation. *Glia* 2006; 53: 233-40.
- Familian, A., Eikelenboom, P. and Veerhuis, R. Minocycline does not affect amyloid beta phagocytosis by human microglial cells. *Neurosci.Lett.* 416.1 (2007): 87-91.
- Farkas S. et al. A comparative analysis of expressed and functionally active dopamine receptors in the human brain obtained from Parkinson's disease patients and age matched controls, *European Journal of Neurology* 2010, 17 (Suppl. 3), 267.
- Farkas S. et al. Functional autoradiography of dopamine D2 receptors in Parkinson's disease on human brain samples. *EME Orvos- és Gyógyszerésztudományi Szakosztálya; XX. Tudományos Ülésszak; Orvostudományi értesítő* 2010;83,1:12-13 (Hungarian).
- Fasano, M., Bergamasco, B. and Lopiano, L. Is neuromelanin changed in Parkinson's disease? Investigations by magnetic spectroscopies. *J.Neural Transm.* 113.6 (2006): 769-74.
- Fasano, M., Bergamasco, B. and Lopiano, L. Modifications of the iron-neuromelanin system in Parkinson's disease. *J.Neurochem.* 96.4 (2006): 909-16.
- Fazio, F. et al. Switch in the expression of mGlu1 and mGlu5 metabotropic glutamate receptors in the cerebellum of mice developing experimental autoimmune encephalomyelitis and in autoptic cerebellar samples from patients with multiple sclerosis. *Neuropharmacology* 55 (2008), 491-499.
- Fliers, E. et al. Hypothalamic thyroid hormone feedback in health and disease. *Prog.Brain Res.* 153 (2006): 189-207.
- Fliers, E., Unmehopa, U.A. and Alkemade, A. Functional neuroanatomy of thyroid hormone feedback in the human hypothalamus and pituitary gland. *Mol.Cell Endocrinol.* 251.1-2 (2006): 1-8.
- Fonfria, E. et al. Tissue distribution profiles of the human TRPM cation channel family. *J.Recept.Signal.Transduct.Res.* 26.3 (2006): 159-78.

- Fonfria, E. et al. TRPM2 is elevated in the tMCAO stroke model, transcriptionally regulated, and functionally expressed in C13 microglia. *J.Recept.Signal.Transduct.Res.* 26.3 (2006): 179-98.
- Gahete, M.D. et al. Expression of Somatostatin, cortistatin, and their receptors, as well as dopamine receptors, but not of neprilysin, are reduced in the temporal lobe of Alzheimer's disease patients. *J. Alzheimers. Dis.* 20.2 (2010): 465-75.
- Gahete, M.D. et al. Expression of the ghrelin and neurotensin systems is altered in the temporal lobe of Alzheimer's disease patients. *J. Alzheimers. Dis.* 22.3 (2010): 819-28.
- Garcia-Falgueras, A. and Swaab, D.F. A sex difference in the hypothalamic uncinate nucleus: relationship to gender identity. *Brain* 131.Pt 12 (2008): 3132-46.
- Geurts, J. J. et al. Does high-field MR imaging improve cortical lesion detection in multiple sclerosis? *J.Neurol.* 255.2 (2008): 183-91.
- Geurts, J.J. and Barkhof, F. (2008). Grey matter pathology in multiple sclerosis. *Lancet Neurol.* 7, 841-851.
- Geurts, J.J. et al. Extensive hippocampal demyelination in multiple sclerosis. *J. Neuropathol. Exp. Neurol.* 66 (2007), 819-827.
- Geurts, J.J. et al. Multiple sclerosis as an "inside-out" disease. *Ann. Neurol.* 68.5 (2010): 767-68.
- Gosso, F.M. et al. Exploring the functional role of the CHRM2 gene in human cognition: results from a dense genotyping and brain expression study. *BMC.Med.Genet.* 8 (2007): 66.
- Goto-Inoue, N. et al. A new lipidomics approach by thin-layer chromatography-blot-matrix-assisted laser desorption/ionization imaging mass spectrometry for analyzing detailed patterns of phospholipid molecular species. *J. Chromatogr. A* 1216.42 (2009): 7096-101.
- Gouw, A.A. et al. Heterogeneity of white matter hyperintensities in Alzheimer's disease: post-mortem quantitative MRI and neuropathology. *Brain* 131 (2008), 3286-3298.
- Govarts, C. et al. Analysis of antibody reactivity in paired cerebrospinal fluid and serum of a relapsing remitting multiple sclerosis patient. *Autoimmunity* 42.8 (2009): 699-704.
- Grunblatt, E. et al. Comparison analysis of gene expression patterns between sporadic Alzheimer's and Parkinson's disease. *J. Alzheimers. Dis.* 12 (2007), 291-311.
- Gupta, V.B., Indi, S.S. and Rao, K.S. Studies on the role of amino acid stereospecificity in amyloid beta aggregation. *J.Mol.Neurosci.* 34.1 (2008): 35-43.
- Ha, T.Y. et al. S100a9 knockdown decreases the memory impairment and the neuropathology in Tg2576 mice, AD animal model. *PLoS.One.* 5.1 (2010): e8840.
- Heesen, C. et al. Stress and hypothalamic-pituitary-adrenal axis function in experimental autoimmune encephalomyelitis and multiple sclerosis - a review. *Psychoneuroendocrinology* 32 (2007a), 604-618.
- Heesen, C. et al. Stress regulation in multiple sclerosis – current issues and concepts. *Multiple sclerosis* 12 (2006) 1-6.
- Heesen, C. et al. Stress regulation in multiple sclerosis: current issues and concepts. *Mult. Scler.* 13 (2007b), 143-148.
- Heidbrink, C. et al. Reduced cortisol levels in cerebrospinal fluid and differential distribution of 11beta-hydroxysteroid dehydrogenases in multiple sclerosis: implications for lesion pathogenesis. *Brain Behav. Immun.* 24.6 (2010): 975-84.

- Hellstrom-Lindahl, E., Viitanen, M. and Marutle, A. Comparison of Abeta levels in the brain of familial and sporadic Alzheimer's disease. *Neurochem. Int.* 55.4 (2009): 243-52.
- Hellstrom-Lindahl, E., Ravid, R. and Nordberg, A. Age-dependent decline of neprilysin in Alzheimer's disease and normal brain: inverse correlation with A beta levels. *Neurobiol. Aging* 29.2 (2008): 210-21.
- Hellstrom-Lindahl, E., Ravid, R., and Nordberg, A. Age-dependent decline of neprilysin in Alzheimer's disease and normal brain: Inverse correlation with Abeta levels. *Neurobiol Aging* 2006.
- Hofman, M.A., and Swaab, D.F. Living by the clock: the circadian pacemaker in older people. *Ageing Res Rev* 2006; 5: 33-51.
- Hoogendijk, W.J. et al. Increased cerebrospinal fluid cortisol level in Alzheimer's disease is not related to depression. *Neurobiol Aging* 2006; 27: 780 e1-780 e2.
- Hoozemans, J.J. et al. Cyclooxygenase-1 and -2 in the different stages of Alzheimer's disease pathology. *Curr. Pharm. Des* 14 (2008), 1419-1427.
- Hoozemans, J.J. et al. The unfolded protein response affects neuronal cell cycle protein expression: implications for Alzheimer's disease pathogenesis. *Exp Gerontol* 2006; 41: 380-6.
- Hoozemans, J.J. et al. The unfolded protein response is activated in pretangle neurons in Alzheimer's disease hippocampus. *Am. J. Pathol.* 174.4 (2009): 1241-51.
- Hou, H.L. et al. Alterations of hHrd1 expression are related to hyperphosphorylated tau in the hippocampus in Alzheimer's disease. *J.Neurosci.Res.* 84.8 (2006): 1862-70.
- Huisman, E., Uylings, H.B. and Hoogland, P.V. Gender-related changes in increase of dopaminergic neurons in the olfactory bulb of Parkinson's disease patients. *Mov Disord.* 23.10 (2008): 1407-13.
- Huitinga I. et al. Characterization of human post mortem microglia isolated during density gradient and FACS sorting. Abstract in: *Glia*, volume 57, issue S13, page S134, October 2009.
- Hull, M. et al. Amyloid beta peptide (25-35) activates protein kinase C leading to cyclooxygenase-2 induction and prostaglandin E2 release in primary midbrain astrocytes. *Neurochem.Int.* 48.8 (2006): 663-72.
- Ikemoto, K. Striatal D-neurons: in new viewpoints for neuropsychiatric research using post-mortem brains. *Fukushima J. Med. Sci.* 54 (2008), 1-3.
- Ikemoto, K. Ventral Tegmental Area. *Japanese Journal of Molecular Psychiatry* 10: 214-218 (2010).
- Ishunina, T.A. and Swaab, D.F. Decreased alternative splicing of estrogen receptor-alpha mRNA in the Alzheimer's disease brain. *Neurobiol.Aging* (2010).
- Ishunina, T.A. and Swaab, D.F. Hippocampal estrogen receptor-alpha splice variant TADDI in the human brain in aging and Alzheimer's disease. *Neuroendocrinology* 89.2 (2009): 187-99.
- Ishunina, T.A. and Swaab, D.F. Age-dependent ERalpha MB1 splice variant expression in discrete areas of the human brain. *Neurobiol. Aging* 29 (2008a), 1177-1189.
- Ishunina, T.A. and Swaab, D.F. Estrogen receptor-alpha splice variants in the human brain. *Gynecol. Endocrinol.* 24 (2008b), 93-98.

- Ishunina, T.A. and Swaab, D.F. Hippocampal Estrogen Receptor-Alpha Splice Variant TADDI in the Human Brain in Aging and Alzheimer's Disease. *Neuroendocrinology* (2008c).
- Ishunina, T.A., Fischer, D.F., and Swaab, D.F. Estrogen receptor alpha and its splice variants in the hippocampus in aging and Alzheimer's disease. *Neurobiol. Aging* 28 (2007), 1670-1681.
- Ishunina, T.A., Fischer, D.F., and Swaab, D.F. Estrogen receptor alpha and its splice variants in the hippocampus in aging and Alzheimer's disease. *Neurobiol Aging* 2006.
- Jacob, C.P. et al. Alterations in expression of glutamatergic transporters and receptors in sporadic Alzheimer's disease. *J. Alzheimers. Dis.* 11 (2007), 97-116.
- Jamali, S. et al. Large-scale expression study of human mesial temporal lobe epilepsy: evidence for dysregulation of the neurotransmission and complement systems in the entorhinal cortex. *Brain* 2006; 129: 625-41.
- Jansen, C. et al. Prion protein amyloidosis with divergent phenotype associated with two novel nonsense mutations in PRNP. *Acta Neuropathol.* 119.2 (2010): 189-97.
- Junker, A. et al. MicroRNA profiling of multiple sclerosis lesions identifies modulators of the regulatory protein CD47. *Brain* 132.Pt 12 (2009): 3342-52.
- Kaat, L.D. et al. Frontal presentation in progressive supranuclear palsy. *Neurology* 69 (2007), 723-729.
- Kalsbeek, A. et al. Vasopressin and the output of the hypothalamic biological clock. *J. Neuroendocrinol.* (2010).
- Kim, H. S. et al. Swedish amyloid precursor protein mutation increases phosphorylation of eIF2alpha in vitro and in vivo. *J.Neurosci.Res.* 85.7 (2007): 1528-37.
- Klok, M.D. et al. Decreased expression of mineralocorticoid receptor mRNA and its splice variants in post-mortem brain regions of patients with major depressive disorder. *J. Psychiatr. Res.* (2010).
- Koning, N. et al. Distribution of the immune inhibitory molecules CD200 and CD200R in the normal central nervous system and multiple sclerosis lesions suggests neuron-glia and glia-glia interactions. *J. Neuropathol. Exp. Neurol.* 68.2 (2009): 159-67.
- Koning, N. et al. Downregulation of macrophage inhibitory molecules in multiple sclerosis lesions. *Ann. Neurol.* 62 (2007), 504-514.
- Koning, N. et al. Expression of the inhibitory CD200 receptor is associated with alternative macrophage activation. *J. Innate. Immun.* 2.2 (2010): 195-200.
- Koning, N. et al. Restoring immune suppression in the multiple sclerosis brain. *Prog. Neurobiol.* 89.4 (2009): 359-68.
- Kontostavlaki, D.P. et al. Co-expression of tyrosine hydroxylase and GTP cyclohydrolase I in arginine vasopressin-synthesizing neurons of the human supraoptic nucleus demonstrated by laser microdissection and real-time PCR. *Neuroendocrinology* 2006; 84: 386-95.
- Kooi, E.J. et al. Abundant extracellular myelin in the meninges of patients with multiple sclerosis. *Neuropathol. Appl. Neurobiol.* 35.3 (2009): 283-95.
- Kooi, E.J. et al. Meningeal inflammation is not associated with cortical demyelination in chronic multiple sclerosis. *J. Neuropathol. Exp. Neurol.* 68.9 (2009): 1021-28.

- Kooij, G. et al. T lymphocytes impair P-glycoprotein function during neuroinflammation. *J. Autoimmun.* (2009).
- Kovacech, B. et al. A novel monoclonal antibody DC63 reveals that inhibitor 1 of protein phosphatase 2A is preferentially nuclearly localised in human brain. *FEBS Lett.* 581 (2007), 617-622.
- Kravitz, E. and Biegon, A. Measuring neuroinflammation by TSPO autoradiography in Alzheimer's disease brains post-mortem. *Israeli Society for Neuroscience abstracts 2010*, p. 56.
- Kravitz, E. and Biegon, A. Sex and region dependent NMDA receptor (NMDAR) loss and neuroinflammation in Alzheimer's disease brains post-mortem. Program No. 543.26. 2008 Neuroscience Meeting Planner. Washington, DC: Society for Neuroscience, 2008.
- Kravitz, E., Gaisler-Salomon, I. and Biegon, A. Overexpression of gonadal hormone biosynthesis and receptor genes in Alzheimer's disease brains post-mortem Program No. 43.23 Abstract Viewer/Itinerary Planner. Chicago: Society for Neuroscience, 2009.
- Kravitz, E., Gaisler-Salomon, I. and Biegon, A. Overexpression of gonadal hormone biosynthesis and receptor genes in Alzheimer's disease brains post-mortem. *Israeli Society for Neuroscience abstracts 2008*, p. 42.
- Krumbholz, M. et al. CCL19 is constitutively expressed in the CNS, up-regulated in neuroinflammation, active and also inactive multiple sclerosis lesions. *J. Neuroimmunol.* 190 (2007), 72-79.
- Kuhn, H.G. et al. Changes in neurogenesis in dementia and Alzheimer mouse models: are they functionally relevant? *Eur. Arch. Psychiatry Clin. Neurosci.* 257 (2007), 281-289.
- Kuipers, H.F. et al. Simvastatin affects cell motility and actin cytoskeleton distribution of microglia. *Glia* 53.2 (2006): 115-23.
- Kuipers, H.F. et al. CC chemokine receptor 5 gene promoter activation by the cyclic AMP response element binding transcription factor. *Blood* 112 (2008), 1610-1619.
- Kumaran, R. et al. DJ-1 (PARK7) is associated with 3R and 4R tau neuronal and glial inclusions in neurodegenerative disorders. *Neurobiol. Dis.* 28.1 (2007): 122-32.
- Kunii, Y. et al. Fukushima Brain Bank and our results. *Japanese Journal of Biological Psychiatry* 21: 105-112, 2010.
- Liu, C.Q. et al. A quantitative in situ hybridization protocol for formalin-fixed paraffin-embedded archival post-mortem human brain tissue. *Methods* 52.4 (2010): 359-66.
- Liu, R.Y. et al. Glucocorticoids suppress vasopressin gene expression in human suprachiasmatic nucleus. *J. Steroid Biochem. Mol. Biol.* 98 (2006), 248-253.
- Lopez-Aranda, M.F. et al. Localization of the GoLoco motif carrier regulator of G-protein signalling 12 and 14 proteins in monkey and rat brain. *Eur J Neurosci* 2006; 23: 2971-82.
- Lucassen, P.J. et al. Decreased numbers of progenitor cells but no response to antidepressant drugs in the hippocampus of elderly depressed patients. *Neuropharmacology* 58.6 (2010): 940-49.
- Lucassen, P.J. et al. Stress, depression and hippocampal apoptosis. *CNS Neurol Disord Drug Targets* 2006; 5: 531-46.
- Luchetti, S. et al. Neurosteroid biosynthetic pathway changes in substantia nigra and caudate nucleus in Parkinson's disease. *Brain Pathol.* 20.5 (2010): 945-51.

- Luchetti, S. et al. Neurosteroid biosynthetic pathways changes in prefrontal cortex in Alzheimer's disease. *Neurobiol. Aging* (2009).
- Mahad, D. et al. Modulating CCR2 and CCL2 at the blood-brain barrier: relevance for multiple sclerosis pathogenesis. *Brain* 2006; 129: 212-23.
- Maier, O., Baron, W. and Hoekstra, D. Reduced raft-association of NF155 in active MS-lesions is accompanied by the disruption of the paranodal junction. *Glia* 55 (2007a), 885-895.
- Maier, O., Baron, W. and Hoekstra, D. Reduced raft-association of NF155 in active MS-lesions is accompanied by the disruption of the paranodal junction. *Glia* 55 (2007b), 885-895.
- Mali, Y. and Zisapels, N. Gain of interaction of ALS-linked G93A superoxide dismutase with cytosolic malate dehydrogenase. *Neurobiol. Dis.* 32 (2008), 133-141.
- Marcello, E. et al. SAP97-mediated local trafficking is altered in Alzheimer disease patients' hippocampus. *Neurobiol. Aging* (2010).
- Matute, C. P2X7 receptors in oligodendrocytes: a novel target for neuroprotection. *Mol. Neurobiol.* 38 (2008), 123-128.
- Matute, C. et al. Excitotoxic damage to white matter. *J. Anat.* 210 (2007a), 693-702.
- Matute, C. et al. P2X(7) receptor blockade prevents ATP excitotoxicity in oligodendrocytes and ameliorates experimental autoimmune encephalomyelitis. *J. Neurosci.* 27 (2007b), 9525-9533.
- Maubach, K.A. et al. BGC20-1531, a novel, potent and selective prostanoid EP receptor antagonist: a putative new treatment for migraine headache. *Br. J. Pharmacol.* 156.2 (2009): 316-27.
- Medhurst, A.D. et al. GSK189254, a novel H3 receptor antagonist that binds to histamine H3 receptors in Alzheimer's disease brain and improves cognitive performance in preclinical models. *J.Pharmacol.Exp.Ther.* 321.3 (2007): 1032-45.
- Meli, G. et al. Direct in vivo intracellular selection of conformation-sensitive antibody domains targeting Alzheimer's amyloid-beta oligomers. *J. Mol. Biol.* 387.3 (2009): 584-606.
- Melief J. et al. Consequences of stress-axis activity for the severity of multiple sclerosis lesions. Abstract in: *Journal of Neuroimmunology*, volume 203, issue 2, pages 216-217, October 2008.
- Melief J. et al. Severe multiple sclerosis is associated with low stress-axis activity. Abstract in: *Journal of Neural Transmission*, volume 115, issue 12, pages 1718-1718, December 2008.
- Melief, J. et al. Cortisol affects microglia activation status in multiple sclerosis. Abstract in: *Glia*, volume 57, issue S13, page S134, October 2009.
- Meynen, G. et al. Hypothalamic oxytocin mRNA expression and melancholic depression. *Mol.Psychiatry* 12.2 (2007): 118-19.
- Meynen, G. et al. Increased arginine vasopressin mRNA expression in the human hypothalamus in depression: A preliminary report. *Biol Psychiatry* 2006; 60: 892-5.
- Meynen, G. et al. Relation between corticotropin-releasing hormone neuron number in the hypothalamic paraventricular nucleus and depressive state in Alzheimer's disease. *Neuroendocrinology* 85.1 (2007): 37-44.
- Middeldorp, J. Astrocytes in development, aging and disease - Starring GFAP. Thesis, supervisor: Dick Swaab, co-supervisor: Elly Hol. University of Amsterdam (10-06-2010).

- Middeldorp, J. et al. Specific human astrocyte subtype revealed by affinity purified GFAP antibody; unpurified serum cross-reacts with neurofilament-L in Alzheimer. *PLoS.One.* 4.11 (2009): e7663.
- Mohan, H. et al. Extracellular matrix in multiple sclerosis lesions: Fibrillar collagens, biglycan and decorin are upregulated and associated with infiltrating immune cells. *Brain Pathol.* 20.5 (2010): 966-75.
- Moloney, A.M. et al. Defects in IGF-1 receptor, insulin receptor and IRS-1/2 in Alzheimer's disease indicate possible resistance to IGF-1 and insulin signalling. *Neurobiol. Aging* 31.2 (2010): 224-43.
- Moloney, A.M. et al. Defects in IGF-1 receptor, insulin receptor and IRS-1/2 in Alzheimer's disease indicate possible resistance to IGF-1 and insulin signalling. *Neurobiol. Aging* (2008).
- Mulder, S.D. et al. CSF levels of PSA and PSA-ACT complexes in Alzheimer's disease. *Ann. Clin. Biochem.* 46.Pt 6 (2009): 477-83.
- Nabuurs, R.J. et al. High-field MRI of single histological slices using an inductively coupled, self-resonant microcoil: application to ex vivo samples of patients with Alzheimer's disease. *NMR Biomed.* (2010).
- Nielsen, H.M. et al. Astrocytic A beta 1-42 uptake is determined by A beta-aggregation state and the presence of amyloid-associated proteins. *Glia* 58.10 (2010): 1235-46.
- Nielsen, H.M. et al. Binding and uptake of A beta1-42 by primary human astrocytes in vitro. *Glia* 57.9 (2009): 978-88.
- Nilsson, A. et al. Analysis of NR3A receptor subunits in human native NMDA receptors. *Brain Res.* 1186 (2007): 102-12.
- Niwa, S. et al. Post-mortem Brain Studies in Schizophrenia. *Japanese Journal of Clinical Pharmacology* 12: 148-168 (2009).
- O'Callaghan, P. et al. Heparan sulfate accumulation with Abeta deposits in Alzheimer's disease and Tg2576 mice is contributed by glial cells. *Brain Pathol.* 18.4 (2008): 548-61.
- Omari, K.M. et al. Role for CXCR2 and CXCL1 on glia in multiple sclerosis. *Glia* 2006; 53: 24-31.
- Overeem, S. et al. Immunohistochemical screening for autoantibodies against lateral hypothalamic neurons in human narcolepsy. *J.Neuroimmunol.* 174.1-2 (2006): 187-91.
- Pavlakis, P.P. et al. Peripheral neuropathies in Sjogren syndrome: a new reappraisal. *J. Neurol. Neurosurg. Psychiatry* (2010).
- Peferoen, L.A. et al. Epstein Barr virus is not a characteristic feature in the central nervous system in established multiple sclerosis. *Brain* 133. Pt 5 (2010): e137.
- Pereira, S. et al. Nuclear localization of a novel human syntaxin 1B isoform. *Gene* 423.2 (2008): 160-71.
- Perez, M. et al. The role of the VQIVYK peptide in tau protein phosphorylation. *J.Neurochem.* 103.4 (2007): 1447-60.
- Perng, M.D. et al. Glial fibrillary acidic protein filaments can tolerate the incorporation of assembly compromised GFAP-delta, but with consequences for filament organization and alphaBcrystallin association. *Mol. Biol. Cell* 19 (2008), 4521-4533.

- Persengiev, S. et al. Genome-wide analysis of miRNA expression reveals a potential role for miR-144 in brain aging and spinocerebellar ataxia pathogenesis. *Neurobiol. Aging* (2010).
- Petanjek, Z. et al. Lifespan alterations of basal dendritic trees of pyramidal neurons in the human prefrontal cortex: a layer-specific pattern. *Cereb.Cortex* 18.4 (2008): 915-29.
- Plumb, J. et al. Upregulation of ADAM-17 expression in active lesions in multiple sclerosis. *Mult.Scler.* 12.4 (2006): 375-85.
- Pollio, G. et al. Increased expression of the oligopeptidase THOP1 is a neuroprotective response to Abeta toxicity. *Neurobiol. Dis.* 31 (2008), 145-158.
- Reiman, E.M. et al. GAB2 alleles modify Alzheimer's risk in APOE epsilon4 carriers. *Neuron* 54.5 (2007): 713-20.
- Reppe, S. et al. Abnormal muscle and hematopoietic gene expression may be important for clinical morbidity in primary hyperparathyroidism. *Am.J.Physiol Endocrinol.Metab* 292.5 (2007): E1465-E1473.
- Robbins, M.J. et al. Evaluation of the mGlu8 receptor as a putative therapeutic target in schizophrenia. *Brain Res.* 1152 (2007): 215-27.
- Roberts, J.C. et al. Autoradiographical imaging of PPARgamma agonist effects on PBR/TSPO binding in TASTPM mice. *Exp. Neurol.* (2009).
- Rogaeva, E. et al. The neuronal sortilin-related receptor SORL1 is genetically associated with Alzheimer disease. *Nat. Genet.* 39 (2007), 168-177.
- Roll, P. et al. SRPX2 mutations in disorders of language cortex and cognition. *Hum Mol Genet* 2006; 15: 1195-207.
- Roos, R.A. and Aziz, N.A. Hypocretin-1 and secondary signs in Huntington's disease. *Parkinsonism.Relat Disord.* 13 Suppl 3 (2007): S387-S390.
- Roses, A.D. et al. A TOMM40 variable-length polymorphism predicts the age of late-onset Alzheimer's disease. *Pharmacogenomics. J.* (2009).
- Royer-Zemmour, B. et al. Epileptic and developmental disorders of the speech cortex: ligand/receptor interaction of wild-type and mutant SRPX2 with the plasminogen activator receptor uPAR. *Hum.Mol.Genet.* 17.23 (2008): 3617-30.
- Rubio, A., Avila, J. and Perez, M. Effect of acetylcholine on tau phosphorylation in human neuroblastoma cells. *J.Mol.Neurosci.* 30.1-2 (2006): 185-88.
- Santa-Mara, I. et al. Coenzyme q induces tau aggregation, tau filaments, and Hirano bodies. *J.Neuropathol.Exp.Neurol.* 67.5 (2008): 428-34.
- Schreibelt, G. et al. Protective effects of peroxiredoxin-1 at the injured blood-brain barrier. *Free Radic.Biol.Med.* 45.3 (2008): 256-64.
- Seabrook, T.J. et al. Angiogenesis is present in experimental autoimmune encephalomyelitis and pro-angiogenic factors are increased in multiple sclerosis lesions. *J. Neuroinflammation.* 7 (2010): 95.
- Seelaar, H. et al. Distinct genetic forms of frontotemporal dementia. *Neurology* 71 (2008), 1220-1226.
- Seelaar, H. et al. TDP-43 pathology in familial frontotemporal dementia and motor neuron disease without Progranulin mutations. *Brain* 130.Pt 5 (2007): 1375-85.

- Seewann, A. et al. Diffusely abnormal white matter in chronic multiple sclerosis: imaging and histopathologic analysis. *Arch. Neurol.* 66.5 (2009): 601-09.
- Seewann, A. et al. Translating pathology in multiple sclerosis: the combination of post-mortem imaging, histopathology and clinical findings. *Acta Neurol. Scand.* 119.6 (2009): 349-55.
- Shen, C. et al. Hydrogen peroxide promotes Abeta production through JNK-dependent activation of gamma-secretase. *J.Biol.Chem.* 283.25 (2008): 17721-30.
- Shiarli, A.M. et al. Comparison of extent of tau pathology in patients with frontotemporal dementia with Parkinsonism linked to chromosome 17 (FTDP-17), frontotemporal lobar degeneration with Pick bodies and early onset Alzheimer's disease. *Neuropathol Appl Neurobiol* 2006; 32: 374-87.
- Stockley, J.H. and O'Neill, C. Understanding BACE1: essential protease for amyloid-beta production in Alzheimer's disease. *Cell Mol. Life Sci.* 65 (2008), 3265-3289.
- Stockley, J.H., Ravid, R. and O'Neill, C. Altered beta-secretase enzyme kinetics and levels of both BACE1 and BACE2 in the Alzheimer's disease brain. *FEBS Lett* 2006; 580: 6550-60.
- Svedberg, M.M. et al. [(11)C]PIB-amyloid binding and levels of Abeta40 and Abeta42 in post-mortem brain tissue from Alzheimer patients. *Neurochem. Int.* 54.5-6 (2009): 347-57.
- Swahn, B.M. et al. Synthesis and evaluation of 2-pyridylbenzothiazole, 2-pyridylbenzoxazole and 2-pyridylbenzofuran derivatives as ¹¹C-PET imaging agents for beta-amyloid plaques. *Bioorg. Med. Chem. Lett.* 20.6 (2010): 1976-80.
- 't Hart, B.A., Hintzen, R.Q. and Laman, J.D. Multiple sclerosis - a response-to-damage model. *Trends Mol. Med.* 15.6 (2009): 235-44.
- Teunissen, C.E. et al. Growth-associated protein 43 in lesions and cerebrospinal fluid in multiple sclerosis. *Neuropathol Appl Neurobiol* 2006; 32: 318-31.
- Timmons, S. et al. Akt signal transduction dysfunction in Parkinson's disease. *Neurosci. Lett.* 467.1 (2009): 30-35.
- Toiber, D. et al. N-acetylcholinesterase-induced apoptosis in Alzheimer's disease. *PLoS. ONE.* 3 (2008), e3108.
- Tong, Z. et al. Urine formaldehyde level is inversely correlated to mini mental state examination scores in senile dementia. *Neurobiol. Aging* (2009).
- Torkildsen, O. et al. Upregulation of immunoglobulin-related genes in cortical sections from multiple sclerosis patients. *Brain Pathol.* 20.4 (2010): 720-29.
- Trouw, L.A. et al. C4b-binding protein in Alzheimer's disease: binding to Abeta1-42 and to dead cells. *Mol.Immunol.* 45.13 (2008): 3649-60.
- Ulfman, L.H. et al. Homeostatic intracellular-free Ca²⁺ is permissive for Rap1-mediated constitutive activation of alpha4 integrins on eosinophils. *J.Immunol.* 180.8 (2008): 5512-19.
- Vallejo-Illarramendi, A. et al. Increased expression and function of glutamate transporters in multiple sclerosis. *Neurobiol Dis* 2006; 21:154-64.
- Van de Nes, J.A. et al. Beta-protein/A4 deposits are not associated with hyperphosphorylated tau in somatostatin neurons in the hypothalamus of Alzheimer's disease patients. *Acta Neuropathol.* 111.2 (2006): 126-38.
- Van den Berge, S.A. et al. Longterm quiescent cells in the aged human subventricular neurogenic system specifically express GFAP-delta. *Aging Cell* 9.3 (2010): 313-26.

- Van der Valk, P. and Amor, S. Preactive lesions in multiple sclerosis. *Curr. Opin. Neurol.* 22.3 (2009): 207-13.
- Van Dijk M. et al. The pre-eclampsia gene STOX1 controls a conserved pathway in placenta and brain upregulated in late-onset Alzheimer's disease. *J. Alzheimers. Dis.* 19.2 (2010): 673-79.
- Van Doorn R. et al. Sphingosine 1-phosphate receptor 1 and 3 are upregulated in multiple sclerosis lesions. *Glia* 58.12 (2010): 1465-76.
- Van Eijk M. et al. Differential expression of the EGF-TM7 family members CD97 and EMR2 in lipid-laden macrophages in atherosclerosis, multiple sclerosis and Gaucher disease. *Immunol. Lett.* 129.2 (2010): 64-71.
- Van Horssen J. et al. Nrf2 and DJ1 are consistently upregulated in inflammatory multiple sclerosis lesions. *Free Radic. Biol. Med.* 49.8 (2010): 1283-89.
- Van Horssen, J. et al. Extensive extracellular matrix depositions in active multiple sclerosis lesions. *Neurobiol.Dis.* 24.3 (2006): 484-91.
- Van Horssen, J. et al. Matrix metalloproteinase-19 is highly expressed in active multiple sclerosis lesions. *Neuropathol.Appl.Neurobiol.* 32.6 (2006): 585-93.
- Van Horssen, J. et al. NAD(P)H:quinone oxidoreductase 1 expression in multiple sclerosis lesions. *Free Radic.Biol.Med.* 41.2 (2006): 311-17.
- Van Horssen, J. et al. Severe oxidative damage in multiple sclerosis lesions coincides with enhanced antioxidant enzyme expression. *Free Radic. Biol. Med.* 45 (2008a), 1729-1737.
- Van Horssen, J. et al. The blood-brain barrier in cortical multiple sclerosis lesions. *J.Neuropathol.Exp.Neurol.* 66.4 (2007): 321-28.
- Van Leeuwen, F.W. et al. Frameshift proteins in autosomal dominant forms of Alzheimer disease and other tauopathies. *Neurology* 66.2 Suppl 1 (2006): S86-S92.
- Van Leeuwen, F.W. et al. Molecular misreading: the occurrence of frameshift proteins in different diseases. *Biochem.Soc.Trans.* 34.Pt 5 (2006): 738-42.
- Van Noort, J.M. and Bsibsi, M. Toll-like receptors in the CNS: implications for neurodegeneration and repair. *Prog. Brain Res.* 175 (2009): 139-48.
- Van Noort, J.M. Human glial cell culture models of inflammation in the central nervous system. *Drug Discov. Today* 11 (2006), 74-80.
- Van Noort, J.M. Stress proteins in CNS inflammation. *J. Pathol.* 214 (2008), 267-275.
- Van Noort, J.M. et al. Alfab-crySTALLIN is a target for adaptive immune responses and a trigger of innate responses in preactive multiple sclerosis lesions. *J. Neuropathol. Exp. Neurol.* 69.7 (2010): 694-703.
- Van Noort, J.M. et al. Autoantibodies against alpha B-crySTALLIN, a candidate autoantigen in multiple sclerosis, are part of a normal human immune repertoire. *Mult Scler* 2006; 12: 287-93.
- Van Swieten, J.C. et al. The DeltaK280 mutation in MAP tau favors exon 10 skipping in vivo. *J.Neuropathol.Exp.Neurol.* 66.1 (2007): 17-25.
- Van Swieten, J.C. and Heutink, P. Mutations in progranulin (GRN) within the spectrum of clinical and pathological phenotypes of frontotemporal dementia. *Lancet Neurol.* 7 (2008), 965-974.

- Van Tijn, P. et al. The neuronal ubiquitinproteasome system: murine models and their neurological phenotype. *Prog. Neurobiol.* 85 (2008b), 176-193.
- Van Veen T. et al. CCL5 and CCR5 genotypes modify clinical, radiological and pathological features of multiple sclerosis. *J. Neuroimmunol.* 190.1-2 (2007): 157-64.
- Van Velzen, M. et al. Neuron-interacting satellite glial cells in human trigeminal ganglia have an APC phenotype. *J. Immunol.* 183.4 (2009): 2456-61.
- Van Wamelen, D.J. et al. Functional Increase of Brain Histaminergic Signaling in Huntington's Disease. *Brain Pathol.* (2010).
- Van Zwam M. et al. Myelin ingestion by macrophages promotes their motility and capacity to recruit myeloid cells. *J. Neuroimmunol.* 225.1-2 (2010): 112-17.
- Van Zwam, M. et al. Brain antigens in functionally distinct antigen-presenting cell populations in cervical lymph nodes in MS and EAE. *J. Mol. Med.* 87.3 (2009): 273-86.
- Van Zwam, M. et al. Surgical excision of CNS-draining lymph nodes reduces relapse severity in chronic-relapsing experimental autoimmune encephalomyelitis. *J. Pathol.* 217.4 (2009): 543-51.
- Vanderlocht, J. et al. Leukemia inhibitory factor is produced by myelin-reactive T cells from multiple sclerosis patients and protects against tumor necrosis factor-alpha-induced oligodendrocyte apoptosis. *J.Neurosci.Res.* 83.5 (2006): 763-74.
- Varani, K. et al. A2A adenosine receptor overexpression and functionality, as well as TNF-alpha levels, correlate with motor symptoms in Parkinson's disease. *FASEB J.* 24.2 (2010): 587-98.
- Verheijen, J. H. et al. Detection of a soluble form of BACE-1 in human cerebrospinal fluid by a sensitive activity assay. *Clin.Chem.* 52.6 (2006): 1168-74.
- Verjans, G.M. et al. Selective retention of herpes simplex virus-specific T cells in latently infected human trigeminal ganglia. *Proc. Natl. Acad. Sci. USA* 104.9 (2007): 3496-501.
- Verwer, R.W. et al. Mature astrocytes in the adult human neocortex express the early neuronal marker doublecortin. *Brain* 130.Pt 12 (2007): 3321-35.
- Verwey, N.A. et al. Quantification of amyloid-beta 40 in cerebrospinal fluid. *J. Immunol. Methods* 348.1-2 (2009): 57-66.
- Visser, L. et al. Phagocytes containing a disease-promoting Toll-like receptor/Nod ligand are present in the brain during demyelinating disease in primates. *Am J Pathol* 2006; 169: 1671-85.
- Wang, S.S. et al. Gene expression analysis in the human hypothalamus in depression by laser micro-dissection and real-time PCR: the presence of multiple receptor imbalances. *Mol. Psychiatry* 13 (2008), 786-99, 741.
- Waschbisch, A. et al. Interleukin-1 beta-induced expression of the prostaglandin E-receptor subtype EP3 in U373 astrocytoma cells depends on protein kinase C and nuclear factor-kappaB. *J.Neurochem.* 96.3 (2006): 680-93.
- Webster, J. A. et al. Sor11 as an Alzheimer's disease predisposition gene? *Neurodegener.Dis.* 5.2 (2008): 60-64.
- Westerlund, M. et al. Altered enzymatic activity and allele frequency of OMI/HTRA2 in Alzheimer's disease. *FASEB J.* (2010).

- White, J.H. et al. Identification of a novel asthma susceptibility gene on chromosome 1qter and its functional evaluation. *Hum.Mol.Genet.* 17.13 (2008): 1890-903.
- Wilczak, N. et al. IGF binding protein alterations on periplaque oligodendrocytes in multiple sclerosis: implications for remyelination. *Neurochem.Int.* 52.8 (2008): 1431-35.
- Wilhelmus, M.M. et al. Association of Parkinson disease-related protein PINK1 with Alzheimer disease and multiple sclerosis brain lesions. *Free Radic. Biol. Med.* (2010).
- Wilhelmus, M.M. et al. Novel role of transglutaminase 1 in corpora amylacea formation? *Neurobiol. Aging* (2009).
- Wilhelmus, M.M. et al. Presence of Tissue Transglutaminase in Granular Endoplasmic Reticulum is Characteristic of Melanized Neurons in Parkinson's Disease Brain. *Brain Pathol.* (2010).
- Wilhelmus, M.M. et al. Transglutaminases and Transglutaminase-Catalyzed Cross-Links Colocalize with the Pathological Lesions in Alzheimer's Disease Brain. *Brain Pathol.* (2008).
- Wirhth, O. et al. Identification of low molecular weight pyroglutamate abeta oligomers in Alzheimer disease: a novel tool for therapy and diagnosis. *J. Biol. Chem.* (2010).
- Wirhth, O. et al. Pyroglutamate Abeta pathology in APP/PS1KI mice, sporadic and familial Alzheimer's disease cases. *J. Neural Transm.* 117.1 (2010): 85-96.
- Witte, M.E. et al. Enhanced number and activity of mitochondria in multiple sclerosis lesions. *J. Pathol.* 219.2 (2009): 193-204.
- Witte, M.E. et al. Mitochondrial dysfunction: a potential link between neuroinflammation and neurodegeneration? *Mitochondrion.* 10.5 (2010): 411-18.
- Witte, M.E. et al. Parkinson's disease-associated parkin colocalizes with Alzheimer's disease and multiple sclerosis brain lesions. *Neurobiol. Dis.* 36.3 (2009): 445-52.
- Wu, L. et al. Neural stem cells improve neuronal survival in cultured post mortem brain tissue from aged and Alzheimer patients. *J. Cell Mol. Med.* 12 (2008), 1611-1621.
- Wu, Y.H., Fischer, D.F. and Swaab, D.F. A promoter polymorphism in the monoamine oxidase A gene is associated with the pineal MAOA activity in Alzheimer's disease patients. *Brain Res.* 1167 (2007): 13-19.
- Wu, Y.H. et al. Decreased MT1 melatonin receptor expression in the suprachiasmatic nucleus in aging and Alzheimer's disease. *Neurobiol.Aging* 28.8 (2007): 1239-47.
- Wu, Y.H. et al. Pineal clock gene oscillation is disturbed in Alzheimer's disease, due to functional disconnection from the master clock. *FASEB J.* 20.11 (2006): 1874-76.
- Yiangou, Y. et al. COX-2, CB2 and P2X7-immunoreactivities are increased in activated microglial cells/macrophages of multiple sclerosis and amyotrophic lateral sclerosis spinal cord. *BMC.Neurol.* 6 (2006): 12.
- Zhou, T. et al. Dendritic cell nuclear protein-1, a novel depression-related protein, upregulates corticotropin-releasing hormone expression. *Brain* 133.10 (2010): 3069-79.
- Zhu, H.Y. et al. Increased expression of the Nogo receptor in the hippocampus and its relation to the neuropathology in Alzheimer's disease. *Hum.Pathol.* 38.3 (2007): 426-34.
- Zouambia, M. et al. Proteasome subunit proteins and neuropathology in tauopathies and synucleinopathies: Consequences for proteomic analyses. *Proteomics.* 8.6 (2008): 1221-36.